



Yale 4202 2 Wire Video Intercom System

USER MANUAL



Power Unit

1. Warning

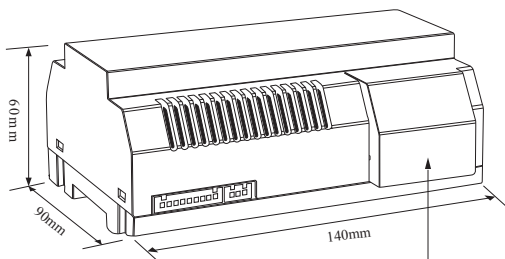
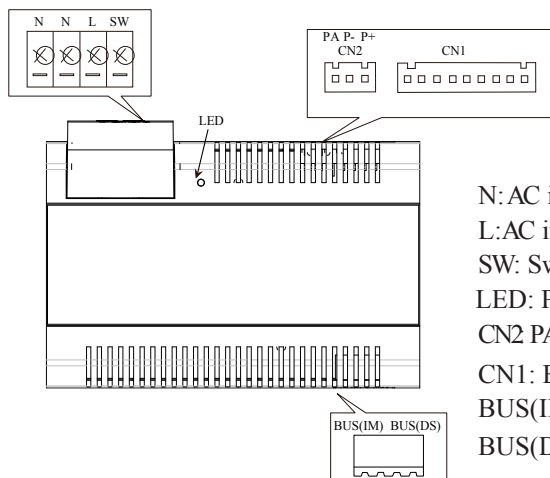
- Don't dismantle or alter the unit. Fire or electric shock could result.
- The unit must be installed and wired by a qualified technician.
- Do not connect any non specified power source to the N, L terminals, Fire, damage to the unit, or system malfunction can result.
- Keep the unit away from water or any other liquid, risk of fire or electric shock.

2. Introduction:

The power unit is designed for two wire systems. It supplies power to the outdoor station, indoor monitor and other accessories. The features are as follow:

- Universal AC input/full range
- Multi protection: short circuit, overload, over voltage
- Cooling by free air convection
- DINrail mounting

3. Terminal Description:



* Press on both sides of the cover and lift to remove

N: AC input.

L: AC input.

SW: Switch terminal.

LED: Power indicator, always on when plug in power.

CN2 PA and P+ terminal should be short-circuited.

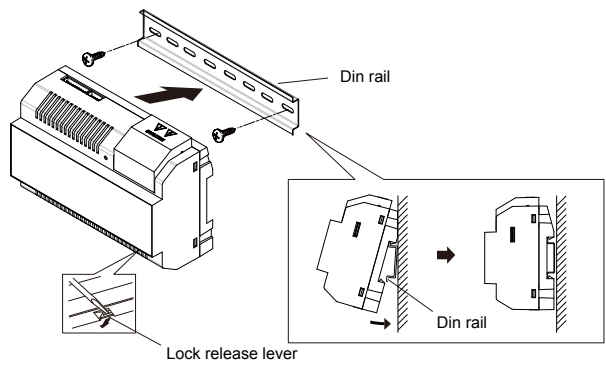
CN1: Buscontrol terminal.

BUS(IM): Indoor monitor connection terminal.

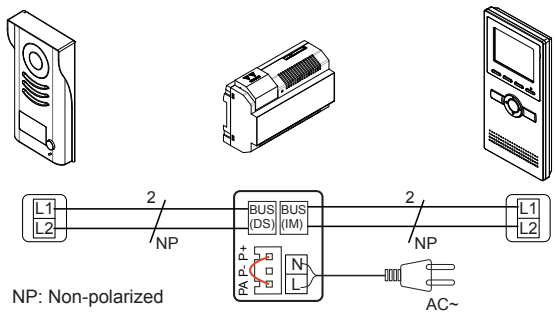
BUS(DS): Door station connection terminal.

4. Mounting:

Step1: Mount the din rail to the wall with screws ;
 Step2: Pull down the lock release lever,then hang the unit on din rail.



5. Basic wiring (no lock):



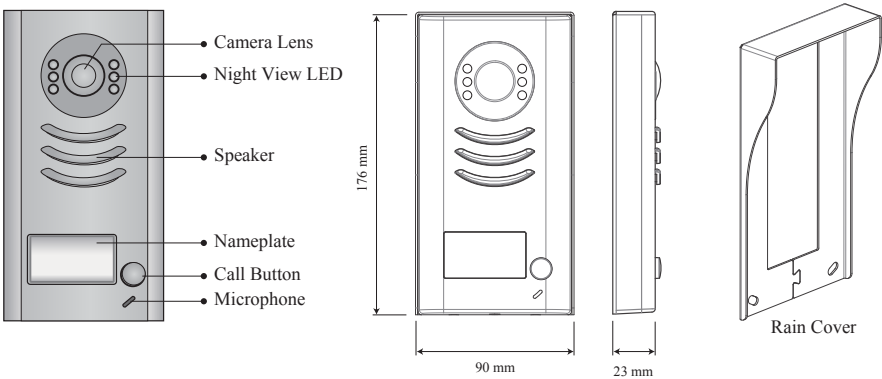
Note:PA&P+ terminal must be short-circuited.

6. Specifiction:

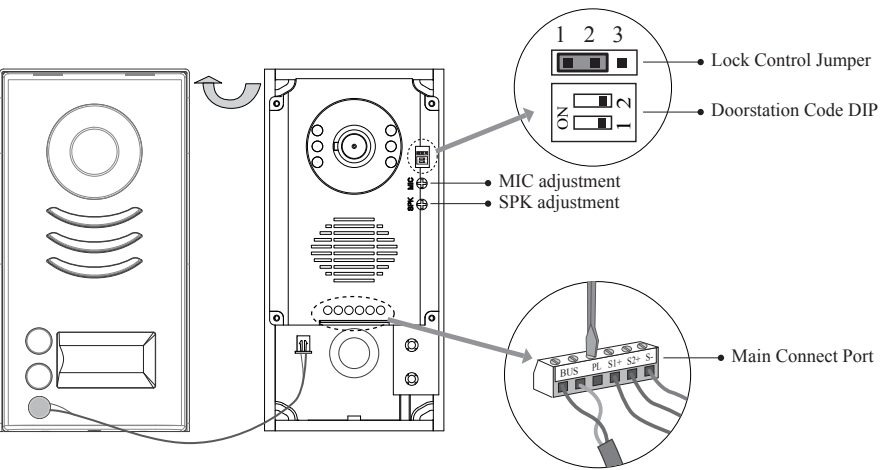
Input Voltage:	100~240Vac
Input Frequency:	50~60Hz
Rated Output Voltage:	DC 28V+/-2V
Rated Output Current:	1.5A
Working Temperature:	-10 ⁰ C~50 ⁰ C
SW Port Input Voltage:	Max.230Vac, 2A
Dimension:	140*90*60mm

Exterior Unit

1.Parts and Functions



2.Terminal Descriptions



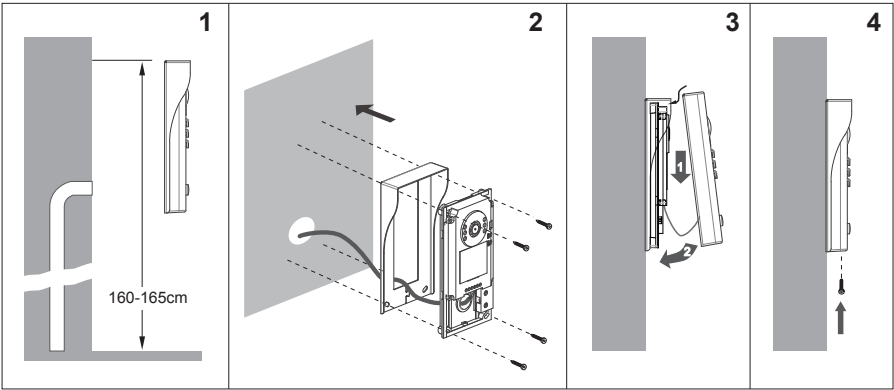


- Lock Control Jumper: Not to be removed
- Doorstation Code DIP: To be used when additional exterior units are used in the same system.
- Main Connect Port: To connect the interior monitor and electronic lock/s.
 - BUS: Connection to interior monitor, no polarity.
 - PL: External lock power input, connect to the power positive(power +).
 - S1+, S2+: Lock power(+) output. To locks can be connected through the unit.
 - S-: Lock power(-) output, connect to the power(-) input of locks only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

3. Specification

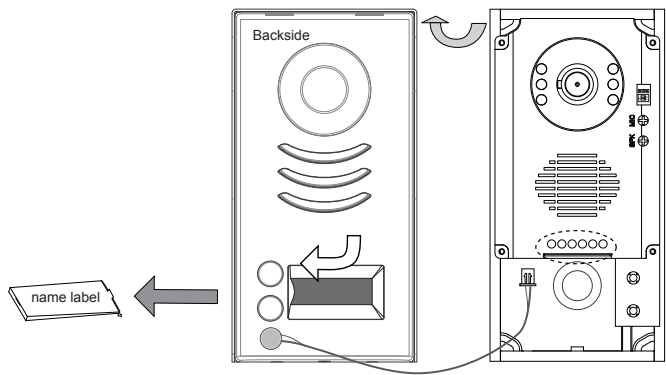
Lock Power supply:	12Vdc, 300mA(Internal Power)
Power Consumption:	1W in standby, 12W in working
NO, COM dry contact:	Max. 48V dc 1.5A
Unlocking time:	1 to 9 seconds, set by Monitor
Working temperature:	-10°C ~ 45°C

4. Mounting

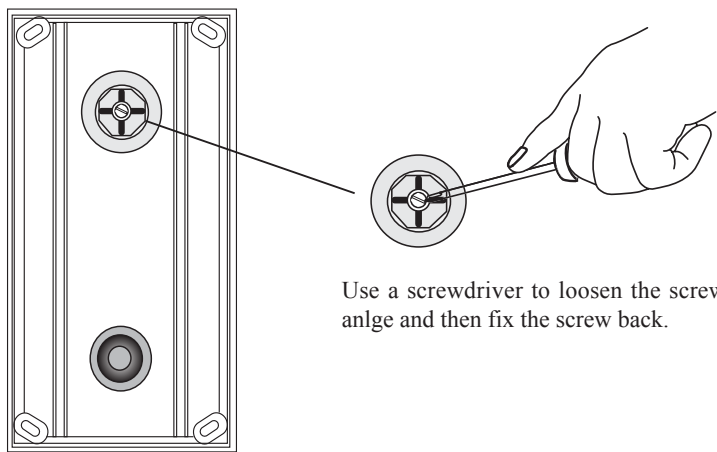


5. Placing Name Label

Remove the plastic cover to open the transparent name label holder, cut a paper to size print name. Insert paper on to name holder re insert plast cover back to the panel

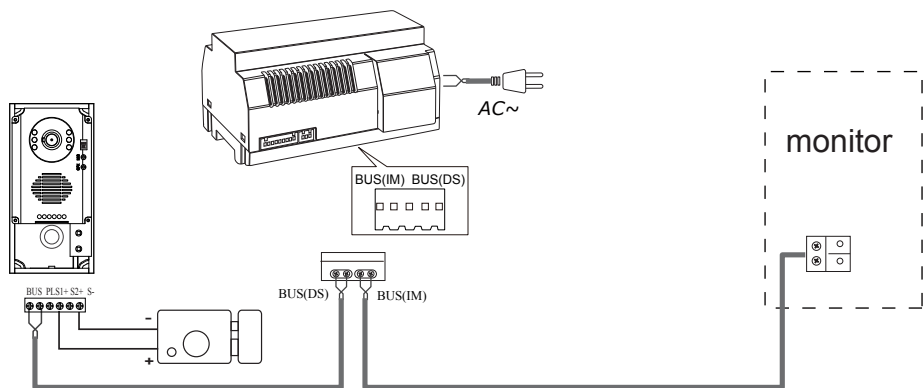


6. Adjusting Camera Angle



Use a screwdriver to loosen the screw. Adjust the desired anlge and then fix the screw back.

7. Basic wiring (with electronic lock)



Use supplied plugs to connect Exterior unit to Power unit, and Power Unit of Interior Monitor.

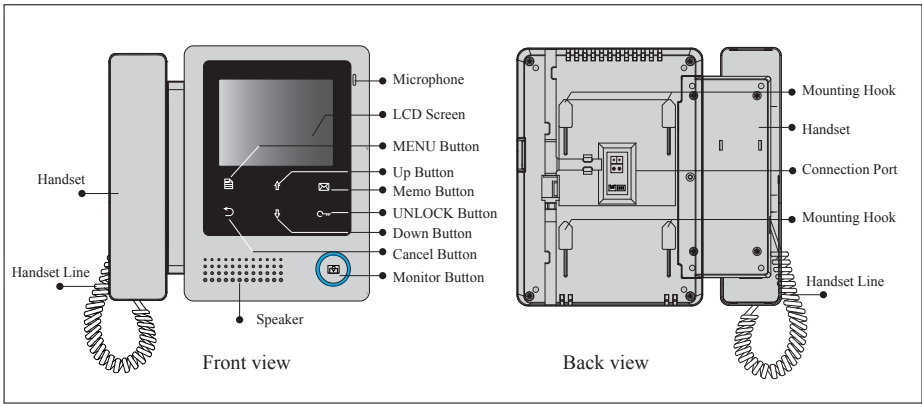


Interior Monitor

Introduction

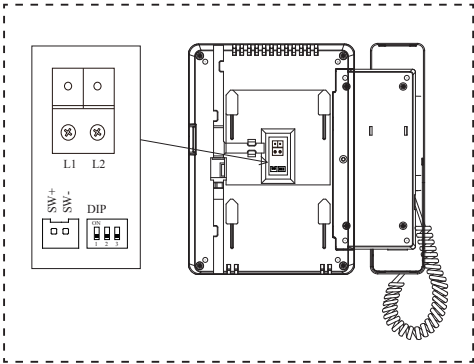
The monitor is designed with a 4 inch screen, it provides a resolution of 320x240 pixels with high quality image display, and it is equipped with a handset to communicate. The touch sensitive button makes the operation easy.

Parts and Function



Terminal Description

- L1,L2: Bus terminal
- SW+,SW-: Door bell call button connection port
- DIP switches: Total 3 bits can be configured.
- Bit1: reserve
- Bit2: reserve
- Bit3: to set the video impedance matching. When video signal quality is low, set bit3 to “on”.





Unit Mounting

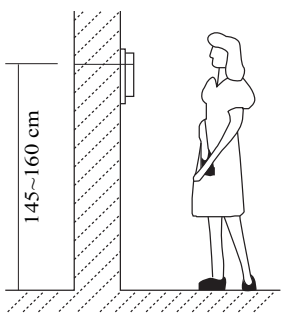
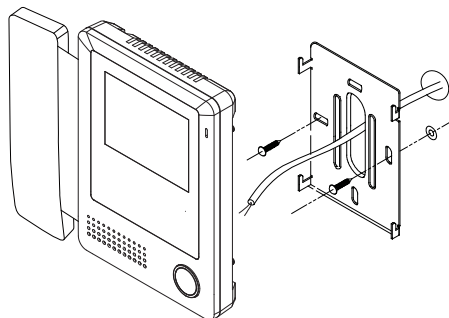
Accessory contents:

Accessories include a Bracket, two 4X25 screws (use to fasten the Mounting Bracket), 2 wire plug/connectors (use to connect with Monitor).

Installation steps:


Installation height for indoor monitor usually is 145~160cm (refer to sketch).

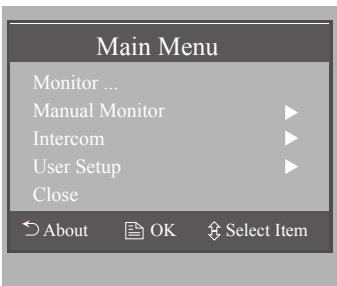
Wire the cable correctly, then hang the Monitor on mounting bracket firmly.



About Main Menu

The main menu is your starting point for using all the applications on your monitor. You can customize your main menu to display applications, logos, and languages.

To open the main menu page, tap  Menu key one time on the monitor.



Basic Operation Instruction


Answering a Door Call

- Press CALL button on door station. The monitor rings, and the visitor's image will be seen on screen. If nobody answers the call, the screen will turn off in 30 seconds automatically.



- Pick up handset to talk with the visitor, the talking duration time is 90s. To end the conversation, hang up the handset. If the system connects two or more monitors, pick up any handset, the others will be automatically shut off.

Door Release

During a call, press  UNLOCK button to open the door for the visitor.

Entrance Monitoring

When the monitor is in standby mode, press **MONITOR** button (or select Monitor item on main menu page), The screen will display the outside image.



To end the monitoring, press **MONITOR** button again.

Intercom Function

Intercom function can be initiated by any monitor when multi monitors are installed.

When the monitor is in standby mode, pick up handset, the Intercom menu will be highlighted in the main menu page. Press **MENU** button to enter.

Intercom Call: User in one apartment can call other apartments in the system.

Select a name on the screen, using the  /  buttons to move up/down to select name, then press **MENU** button to dial.

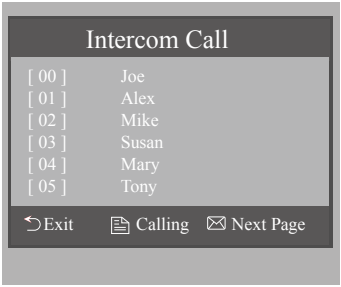
Note:

1. Press "**MENU**" button again to redial.
2. The address of each monitor must be set different

Innercom: If multi Monitors are installed in the same apartment, select Inner Call; all the other Monitors will ring at the same time. Whichever Monitor answers the call, conversation is started and the other monitors will stop ringing.



Direct Call Guard unit: A Monitor can be assigned as Guard Unit Monitor, so a intercom call can be placed directly to the Guard Unit Monitor.

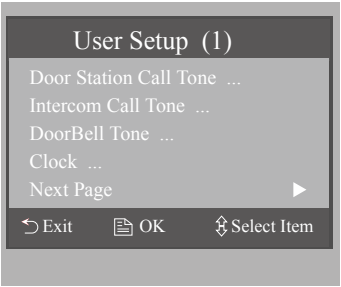


Basic Setup Instruction

Ring Tone Setting

Select **User Setup** item on main menu page to enter setup page. Select **Door Station Call Tone** , **Intercom Call Tone** or **Door Bell Tone** menu. There are 12 ring tone that can be selected. Use \uparrow / \downarrow button to select last/next ring tone, press **MENU** button to save and exit.

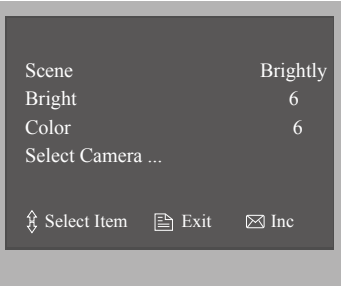
Door Station Call Tone: set the ring tone from outdoor station calling.
Intercom Tone: set the ring tone for other apartments calls.
DoorBell Tone: set the ring tone for door bell calls.





Screen Setting

During a call or when monitoring outside, press MENU button, the adjust menu will be displayed. Use \uparrow / \downarrow button to select the adjust menu item, use MENU button to change values.

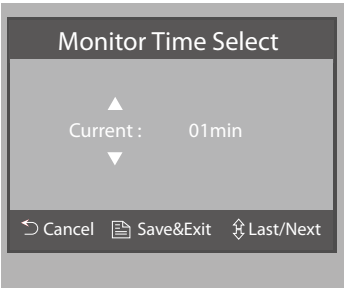


- The first item is Scene mode selection: Total of 4 screen modes can be selected: Normal, User, Soft and Bright. Please note whenever you modify Brightness or Clour menu, Scene will be set to User mode automatically
- Brightness and Colout: change color and brightness settings.

Press MENU button to quit the adjust page.

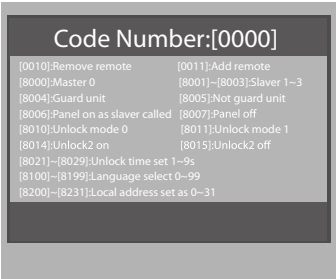
Monitor Time Setting

Select User Setup item on main menu page, then select Monitor Time Set Menu. Use \uparrow / \downarrow button to increase / decrease the value, press MENU button to confirm and return to last page.



Advanced Menu Setting

To enter the Advance Menu Setting, press and hold the $\text{C} \rightarrow$ unlock button until the Advanced Mode is entered. Enter the codes that appear on screen to change parameters. To enter codes, use the \uparrow / \downarrow button to change value, and Memo MEMO for next value. Press MENU button to save and exit.



How to set the monitor as a Guard Monitor

A Monitor can be assigned as Guard Unit Monitor. A call can be placed directly to the Guard Unit Monitor, bypassing the Intercom Menu.

The code 8004 is used to set the monitor as a guard unit monitor and 8005 to cancel this function.

How to set the secondary/slave monitors to view image when call is made

In default mode and when receiving a call, the master and slave monitors will ring at the same time, but just the master monitor will display the image, while the slave monitors will not. This setting can be changed to have all the monitors (master and slave), display the image at the same time while receiving a call by using the code 8006 on each slave monitor.

How to set the unlock parameter

Two types of unlock modes:

1. Power-on- to-unlock type: Unlock mode = 0 (default setting)
2. power-off-to-unlock: Unlock mode = 1

The code number of 8010 is used to set the unlock mode to 0

The code number of 8011 is used to set the unlock mode to 1

Unlock time:

The unlock time can also be changed. It can be set from 1 to 9 seconds.

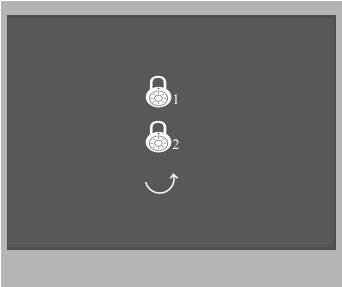
The code number from 8021 to 8029 are used to set the unlock time, being the last digits the number of seconds (1~ 9 seconds).



2 locks control:

The monitor can be set to control 2 locks while you should set the unlock2 item to "on " state.
The code number of 8015 is used to set the unlock2 OFF. This setting is for only one lock.
The code number of 8014 is used to set the unlock2 ON. This setting is to control two locks.

Note: During a call or while monitoring outside, press UNLOCK button. Two unlock icons will be showed. Use ⬆ / ⬇ button to select the lock you want, and press UNLOCK or MENU button to release the corresponding door, press ↶ to exit.
Restore to default operation will not change this parameter.



How to set the slave monitor address

Maximum 4 monitors can be connected in one apartment, one master monitor together with 3 slave monitors. Monitor address should be set correctly (one monitor must be set as master monitor)
Code 8000 is used to set the master monitor.
Code 8001 is used to set the first slave monitor.
Code 8002 is used to set the second slave monitor.
Code 8003 is used to set the third slave monitor.

Language mode setting

This monitor can support multiple languages. To change the language, input the corresponding language code. The language code number are as follows:

8101: English	8107: Portuguese	8113: Russian
8102: French	8108: S-Chinese	8114: Slovakia
8103: Spanish	8109: T-Chinese	8115: Hungry
8104: Italian	8110: Greek	8116: Czech
8105: German	8111: Turkish	8117: Hebrew
8106: Dutch	8112: Polish

Note:the monitor can only support 4 types of languages.English,French,Spanish and German are default.



How to set the address for monitor

Each monitor should be assigned an address in the system, total 32 addresses can be assigned. Code numbers from 8200 to 8231 are used as address 00 to 31. Please refer to following table:

Input No.	User Code	Input No.	User Code	Input No.	User Code
8200	Code=0	8211	Code=11	8222	Code=22
8201	Code=1	8212	Code=12	8223	Code=23
8202	Code=2	8213	Code=13	8224	Code=24
8203	Code=3	8214	Code=14	8225	Code=25
8204	Code=4	8215	Code=15	8226	Code=26
8205	Code=5	8216	Code=16	8227	Code=27
8206	Code=6	8217	Code=17	8228	Code=28
8207	Code=7	8218	Code=18	8229	Code=29
8208	Code=8	8219	Code=19	8230	Code=30
8209	Code=9	8220	Code=20	8231	Code=31
8210	Code=10	8221	Code=21		



Specifications

- Power Supply: DC 24V
- Power Consumption: Standby 6mA; Working status 194mA
- Monitor Screen: 4 Inch color LCD
- Display Resolutions: 320(R, G, B) x 240 pixels
- Video Signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, non-polarity
- Dimension: 186(H)×190(W)×26(D)mm

Precautions

- 1) All components should be protected from drops and vibrations. Do not drop unit.
- 2) To clean, use a soft cotton cloth. If necessary, use mild soap and water to wash lightly.
- 3) Image distortion may occur if the video monitor is mounted too close to magnetic fields e. g. Microwaves, TV, computer etc.
- 4) Please keep away the monitor from water, high temperature, dust, caustic and oxidation gas in order to avoid any unpredictable damage.
- 5) Power supply must be supplied or approved by manufacturer
- 6) Risk of electric shock if unit is opened. Please refer service only to qualified and trained professionals.